

From glowbugs@theporch.com Tue Dec 12 21:00:51 1995  
Return-Path: glowbugs@theporch.com  
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com  
(8.7.3/AUX-3.1.1) with SMTP id UAA04628; Tue, 12 Dec 1995 20:57:18 -0600 (CST)  
Date: Tue, 12 Dec 1995 20:57:18 -0600 (CST)  
Message-Id: <199512130257.UAA04628@uro.theporch.com>  
Errors-To: ws4s@midtenn.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 46  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Status: 0

#### GLOWBUGS Digest 46

Topics covered in this issue include:

- 1) xtal radios...  
by Stan Skelton <sskelton@cln.etc.bc.ca>

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Date: Tue, 12 Dec 1995 09:30:57 -0800 (PST)  
From: Stan Skelton <sskelton@cln.etc.bc.ca>  
To: qrp maillist <qrp-l@lehigh.edu>  
Cc: glowbugs list <glowbugs@theporch.com>  
Subject: xtal radios...  
Message-ID: <Pine.3.89.9512120950.A2342-01000000@sparky>

OK ....to all who expressed an interest in this, I'll post a few details to both QRP-L and GLOWBUGS...(I hate it when I see a message that expresses thanx to everyone who responded privately to something I am interested in, and missed out on)...

Subject: XTAL RADIOS...Source "Electronics Handbook" volume XVII, Page 47...."Build A World War II Foxhole Radio" by Lance Borden, WB5REX  
Parts...cardboard toilet paper role (empty, duh)  
.....razor blade (blue is best but a rusty steel one is ok, blue ones are "PAL Super Single Edge" by American Safety Razor Co.  
.....one wire coat hanger  
.....#22 AWG wire (enough for 100 turns around the TP tube)  
.....headphones (high ohm set is best (4000-2000)  
.....large safety pin and #2 pencil lead (detector)

.....asst glues, lacquer etc to finish & hold stuff to the base

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                | Razor/detector
Ant.--0-----0---|<-----0-----> headphones
                |                (hi imped.)
                )
                ) tuner/slider
coil)-----0-----> headphones
100t)                |
                )                |
                )                gnd
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The instructions are pretty simple...wind the coil and spray or paint it with lacquer or something to set it firmly...scrape the paint or varnish off the wire hanger and use it as the tuner/slider...spread the safety pin apart and bend the head to 90 degrees to use it as a base to screw the pin to the base board, the pin then sticks up to its 2 turns then down to the point where the pencil lead is attached (by wrapping it with #22 wire) to become the detector which touches the razor blade....use sandpaper to remove the varnish from the coil wire where it will be touched by the tuner/slider..

There is a deluxe set described that uses a battery, a tuning cap, a germanium diode etc to "soup it up" but that's not authentic....

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End of GLOWBUGS Digest 46

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